Nightly Builds

EUROPA's Autobuild script (used to run Nightly Builds) is run at approximately midnight each night on several canon systems here at NASA Ames. The purpose of these builds is to ensure that any changes to EUROPA which cause one of the supported build configurations to break are quickly caught and fixed.

Canon Systems

OS	OS Version	Machine Name	CPU	Memory	Avg Auto-Build Duration (Includes tests and all variants)	OS Details
Linux	Red Hat Enterprise Linux WS release 4 (Nahant Update 7)	selene.arc.nasa.gov	Intel(R) Xeon(TM) 2 CPUs @ 3.40GHz each	2048MB RAM	~1.5 hours	Linux selene.arc.nasa.gov 2.6.9-42.0.3.ELsmp #1 SMP Mon S [17:28:02 17:28:02] EDT 2006 i68(i386 GNU/Linux
Mac OS	Mac OS X Version 10.4.8 (Build: 8L127)	irock.arc.nasa.gov	PowerPC G5 (2.2) 2 CPUs @ 2 GHz each	1536MB RAM	~2 hours	Darwin irock.arc.nasa.gov 8.8.0 Da Kernel Version 8.8.0: Fri Sep 8 [17 17:18:57] PDT 2006; [root:xnu-792.12.6.obj~1/RELEAS root:xnu-792.12.6.obj~1/RELEASE Power Macintosh powerpc
Solaris	Solaris 10	farnsworth.arc.nasa.gov	UltraSPARC-III 2 CPUs @ 600Mhz each	2048MB RAM	~9 hours	SunOS farnsworth.arc.nasa.gov 5.1(Generic_118833-33 sun4u sparc SUNW,Sun-Blade-1000
Windows	Windows XP SP2 + cygwin	flight.arc.nasa.gov			~ 2 hours	

Creating A New Autobuild

All it takes to create a new autobuild is a computer meeting the minimum requirements for EUROPA, crontab, and Perl.

This crontab will create a nightly build which runs at [12:07 12:07] AM on every day assuming a normal installation of Perl and that the path to autobuild has been appropriately set

```
7 0 * * * /usr/bin/perl /path/to/autobuild >& /path/to/autobuild.log
```

The autobuild script can be found here.

Limitations

- The script must be edited to change the address to which results are sent. (and the smtp host to which they are sent)
- The script must be run with access to a repository containing EUROPA.

Doxygen docs

Doxygen docs are available for tagged releases and generated daily for the trunk. They are linked to the wiki (see the top-right tab above) using this plug-in. See this note for more details.